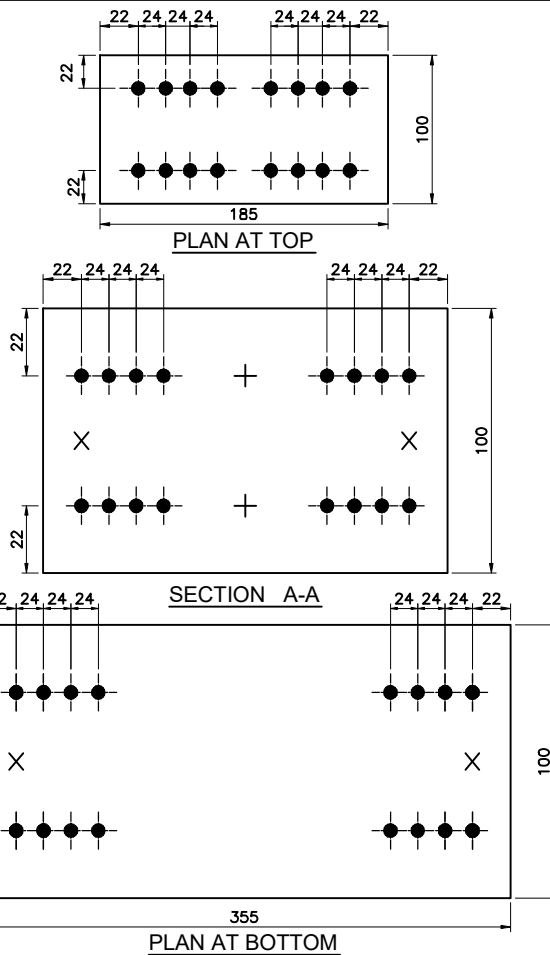
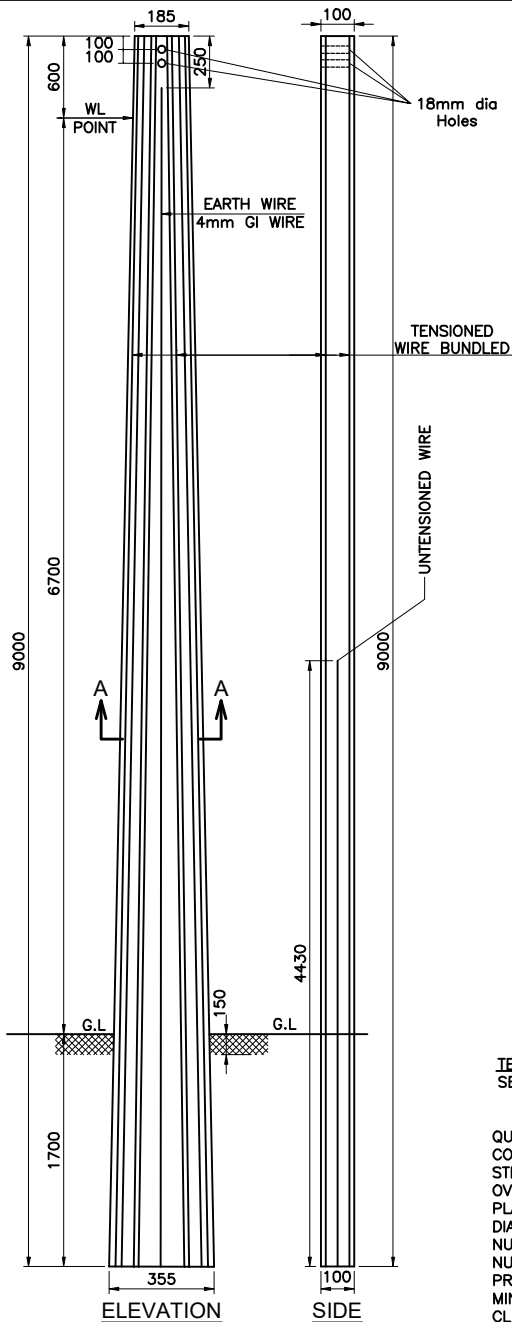




- DENOTES TENSIONED WIRES
- X DENOTES UNTENSIONED WIRES
- + POSSIBLE POSITION OF EARTH WIRE

TECHNICAL GUARANTEE PARTICULARS:

SECTION		
A) TOP	185x100mm	
B) BOTTOM	355x100mm	
QUANTITY OF CONCRETE	0.243m ³	
CONCRETE GRADE	M-40	
STEEL QUANTITY PER POLE	15.94 Kg.	
OVERALL LENGTH SUPPORT	9.0 Mtr	
PLANTING DEPTH	1.7 Mtr	
DIAMETER OF PRESTRESSING WIRE	4mm	
NUMBER OF TENSIONED WIRES	16 NOS	
NUMBER OF UNTENSIONED WIRES	2 NOS	
PRE-TENSIONED APPLIED TO EACH 4mm WIRE	1760 Kgs	
MINIMUM CUBE STRENGTH OF CONCRETE AT 28 DAYS	420 Kg/Cm ²	
CLEAR COVER	20mm	
FACTOR OF SAFETY	2.0	
WORKING LOAD	300 Kgs	
ULTIMATE LOAD	600 Kgs	
WEIGHT OF POLE (THEORETICAL)	607 Kgs	
LOAD APPLICATION AT A POINT FROM THE TOP	600 mm	
ULTIMATE TENSION STRENGTH FOR 4mm WIRE	17500 Kg/Cm ²	

	Signatures	All dimensions are in mm unless otherwise stated.	BESCOM
Chd		REINFORCEMENT DETAILS OF 9.0 M 300 Kg. PRESTRESSED CEMENT CONCRETE POLE (FACTOR OF SAFETY=2.0)	Approved:
Sub			General Manager, (Elec.) QS&S
	SCALE: N.T.S		DRG.NO.BESCOM/GM/QS&S/55 REV-003 DATED:23-12-2019